(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 6 May 2005 (06.05.2005)

PCT

(10) International Publication Number WO 2005/040692 A 1

(51) International Patent Classification7:

F24F 1/02

(21) International Application Number:

PCT/KR2004/002373

(22) International Filing Date:

16 September 2004 (16.09.2004)

(25) Filing Language:

English

(26) Publication Language:

English

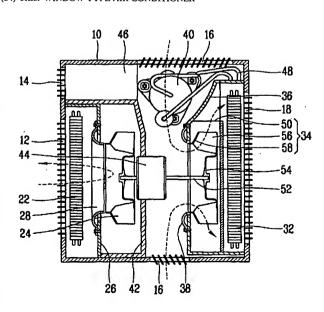
- (30) Priority Data: 10-2003-0074372 23 October 2003 (23.10.2003) KI
- (71) Applicant (for all designated States except US): LG ELECTRONICS INC. [KR/KR]; 20 Yoido-Dong, Yongdungpo-Gu, Seoul 150-010 (KR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): EOM, Yoon-Seob [KR/KR]; Woosung Apt. 101-1006, Namyang-Dong, Changwon, Gyungsangnam-Do 641-091 (KR). KOO, Jeong-Hwan [KR/KR]; 18/4, 1346-22, Daeyeon 5-Dong, Nam-Gu, Busan 608-808 (KR). PARK, Nae-Hyun

[KR/KR]; 17-346, Bulgwang 1-Dong, Eunpyeong-Gu, Seoul 122-847 (KR). HAN, Dong-Joe [KR/KR]; 944-3, Dongsam 2-Dong, Yeongdo-Gu, Busan 606-804 (KR). RYOO, Byeong-Jo [KR/KR]; Daedong Cheongsol Apt., 103-1905 Armin-dong, Changwon, Gyungsangnam-Do 641-150 (KR). LEE, Kyung-Soo [KR/KR]; 705-17, Sujeong 3-Dong, Dong-Gu, Busan 601-817 (KR).

- (74) Agent: PARK, Jang-Won; Jewoo Bldg 5th Floor, 200 Nonhyun-dong, Gangnam-Gu, Seoul 135-010 (KR).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: WINDOW TYPE AIR CONDITIONER



(57) Abstract: A window type air conditioner comprises: a case (10) of which one side is positioned at an indoor side and another side is positioned at an outdoor side; an indoor heat exchanger (22) mounted inside the case positioned at the indoor side thus to be heat-exchanged with the indoor air; an indoor centrifugal fan (24) opposite to the indoor heat exchanger for generating a blowing force so that the indoor air can pass through the indoor heat exchanger; an outdoor heat exchanger (32) mounted inside the case positioned at the outdoor side thus to be heat-exchanged with the outdoor air; and an outdoor centrifugal fan (34) opposite to the outdoor heat exchanger for blowing the outdoor air by a centrifugal force. According to this, an air volume lowering due to a flow channel resistance is prevented at the time of sucking and discharging the outdoor air, and the entire size of the air conditioner is reduced.

European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

with international search report